Aeronautics Educator Guide			
2003 Mathematics			
Academic Content Standards			
Ohio Mathematics			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	OH	MA.2.2.D.6	Select and use appropriate measurement tools; e.g., a ruler to draw a segment 3 inches long, a measuring cup to place 2 cups of rice in a bowl, a scale to weigh 50 grams of candy.
Rotor Motor (69-75)	OH	MA.2.5.A.1	Pose questions, use observations, interviews and surveys to collect data, and organize data in charts, picture graphs and bar graphs.
Rotor Motor (69-75)	OH	MA.2.5.B.1	Pose questions, use observations, interviews and surveys to collect data, and organize data in charts, picture graphs and bar graphs.
Flight: Interdisciplinary Learning Activities (76-79)	OH	MA.2.1.F	Count, using numerals and ordinal numbers.
Flight: Interdisciplinary Learning Activities (76-79)	OH	MA.2.5.C.2	Read, interpret and make comparisons and predictions from data represented in charts, line plots, picture graphs and bar graphs.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	OH	MA.2.5.C.2	Read, interpret and make comparisons and predictions from data represented in charts, line plots, picture graphs and bar graphs.
Dunked Napkin (17-22)	OH	MA.2.5.A.1	Pose questions, use observations, interviews and surveys to collect data, and organize data in charts, picture graphs and bar graphs.
Dunked Napkin (17-22)	OH	MA.2.5.C.2	Read, interpret and make comparisons and predictions from data represented in charts, line plots, picture graphs and bar graphs.
Paper Bag Mask (23-28)	OH	MA.2.2.D.6	Select and use appropriate measurement tools; e.g., a ruler to draw a segment 3 inches long, a measuring cup to place 2 cups of rice in a bowl, a scale to weigh 50 grams of candy.
Right Flight (52-59)	OH	MA.2.2.E.7	Make and test predictions about measurements, using different units to measure the same length or volume.
Right Flight (52-59)	OH	MA.2.5.C.2	Read, interpret and make comparisons and predictions from data represented in charts, line plots, picture graphs and bar graphs.
Delta Wing Glider (60-68)	OH	MA.2.2.E.7	Make and test predictions about measurements, using different units to measure the same length or volume.
Delta Wing Glider (60-68)	OH	MA.2.5.C.2	Read, interpret and make comparisons and predictions from data represented in charts, line plots, picture graphs and bar graphs.
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Academic Content Standards			
Ohio Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	OH	MA.3.5.A.1	Collect and organize data from an experiment, such as recording and classifying observations or measurements, in response to a question posed.
Plan to Fly There (97-106)	OH	MA.3.2.E.3	Tell time to the nearest minute and find elapsed time using a calendar or a clock.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	OH	MA.3.2.E.3	Tell time to the nearest minute and find elapsed time using a calendar or a clock.
Dunked Napkin (17-22)	OH	MA.3.5.A.1	Collect and organize data from an experiment, such as recording and classifying observations or measurements, in response to a question posed.
Dunked Napkin (17-22)	OH	MA.3.5.B.4	Support a conclusion or prediction orally and in writing, using information in a table or graph.
Dunked Napkin (17-22)	OH	MA.3.5.F.9	Conduct a simple experiment or simulation of a simple event, record the results in a chart, table or graph, and use the results to draw conclusions about the likelihood of possible outcomes.
Paper Bag Mask (23-28)	OH	MA.3.5.A.1	Collect and organize data from an experiment, such as recording and classifying observations or measurements, in response to a question posed.
Paper Bag Mask (23-28)	OH	MA.3.5.H	Use the set of possible outcomes to describe and predict events.
Wind in Your Socks) (29-35)	OH	MA.3.2.A.1.a	length - miles, kilometers and other units of measure as appropriate.
Wind in Your Socks) (29-35)	OH	MA.3.5.A.1	Collect and organize data from an experiment, such as recording and classifying observations or measurements, in response to a question posed.
Sled Kite (44-51)	OH	MA.3.5.A.1	Collect and organize data from an experiment, such as recording and classifying observations or measurements, in response to a question posed.
Right Flight (52-59)	OH	MA.3.5.B.4	Support a conclusion or prediction orally and in writing, using information in a table or graph.
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2003 Mathematics			
Academic Content Standards			
Ohio Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	OH	MA.4.2.D.6	Write, solve and verify solutions to multi-step problems involving measurement.

Flight: Interdisciplinary Learning Activities (76-79)	OH	MA.4.5.B.2	Represent and interpret data using tables, bar graphs, line plots and line graphs.
Flight: Interdisciplinary Learning Activities (76-79)	OH	MA.4.5.C.2	Represent and interpret data using tables, bar graphs, line plots and line graphs.
Dunked Napkin (17-22)	OH	MA.4.5.A.1	Create a plan for collecting data for a specific purpose.
Dunked Napkin (17-22)	OH	MA.4.5.B.2	Represent and interpret data using tables, bar graphs, line plots and line graphs.
Dunked Napkin (17-22)	OH	MA.4.5.B.5	Propose and explain interpretations and predictions based on data displayed in tables, charts and graphs.
Paper Bag Mask (23-28)	OH	MA.4.3.E.2	Describe, classify, compare and model two- and three-dimensional objects using their attributes.
Wind in Your Socks) (29-35)	OH	MA.4.2.D.6	Write, solve and verify solutions to multi-step problems involving measurement.
Wind in Your Socks) (29-35)	OH	MA.4.5.A.1	Create a plan for collecting data for a specific purpose.